



SIMATIC S7-1200,  
DIGITAL OUTPUT SB 1222, 4DO,  
24VDC 200KHZ

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Input current	
from backplane bus 5 V DC, typ.	50 mA
Output voltage	
Power supply to the transmitters	
Supply current, max.	4 mA ; per channel
Power losses	
Power loss, typ.	1 W
Digital inputs	
Number of digital inputs	0
Digital outputs	
Number of digital outputs	4 ; MOSFET, solid-state (current-sinking/current-sourcing)
In groups of	1
Short-circuit protection	No
Switching capacity of the outputs	
with resistive load, max.	0.1 A
Load resistance range	
upper limit	10 Ω
Output voltage	

<b>Rated value (DC)</b>	24 V
<b>for signal "0", max.</b>	0.1 V ; with 10 kOhm load
<b>for signal "1", min.</b>	20 V
<b>Output current</b>	
<b>for signal "1" rated value</b>	0.1 A
<b>for signal "0" residual current, max.</b>	10 µA
<b>Cable length</b>	
<b>Cable length, shielded, max.</b>	50 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
<b>Alarms</b>	Yes
<b>Diagnostic messages</b>	
<b>Diagnostic functions</b>	Yes
<b>Diagnostics indication LED</b>	
<b>For status of the outputs</b>	Yes
<b>Degree and class of protection</b>	
<b>IP20</b>	Yes
<b>Standards, approvals, certificates</b>	
<b>Marine approval</b>	
<b>Marine approval according to Germanischer Lloyd</b>	Yes
<b>Climatic and mechanical conditions for storage and transport</b>	
<b>Climatic conditions for storage and transport</b>	
<b>Free fall</b>	
<b>Drop height, max. (in packaging)</b>	0.3 m ; five times, in dispatch package
<b>Temperature</b>	
<b>Permissible temperature range</b>	-40 °C to +70 °C
<b>Air pressure acc. to IEC 60068-2-13</b>	
<b>Permissible air pressure</b>	1080 to 660 hPa
<b>Relative humidity</b>	
<b>Permissible range (without condensation) at 25 °C</b>	95 %
<b>Mechanics/material</b>	
<b>Type of housing (front)</b>	
<b>Plastic</b>	Yes
<b>Dimensions</b>	
<b>Width</b>	38 mm
<b>Height</b>	62 mm
<b>Depth</b>	21 mm
<b>Weights</b>	

Weight, approx.	40 g
Status	Apr 25, 2014